UNIVERSITI TEKNOLOGI MARA

THE GROWTH PERFORMANCE OF RUBBER SEEDLINGS BY USING THE DIFFERENT LEVEL OF RUBBER FACTORY EFFLUENT

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Final year project report submitted in partial fulfilment of the requirements for the degree of
Bachelor of Science (Hons.) Plantation Technology and Management

Faculty of Plantation and Agrotechnology

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CANDIDATE'S DECLARATION

I declare that the work in this Final Year Project was carried out in accordance with the regulation of UniversitiTeknologi MARA. It is original and is the result of my own work, unless otherwise indicated or acknowledge as referenced work. The final year project report has not been submitted to any other academic institution or non academic institution for any other degree or qualification.

In the event that my Final Year Project is found to violet the conditions mention above, I voluntarily waive the right of conferment of my bachelor degree and agree to be subjected to the disciplinary rules and regulation of UniversitiTeknologi MARA.

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ABSTRACT

A field experiment was conducted on green house at UiTMJasinMelaka to examine the growth performance of rubber seedling by using a different level of rubber factory effluent and examine soil chemical properties. The sample of rubber factory effluent was collected from Tampin, Negeri Sembilan. A complete randomized design was adopted with six treatment replicated four times. T0 served as control, T1 received 50ml of rubber factory effluent, T2 received 100ml of rubber factory effluent, T3 received 150ml of rubber factory effluent, T4 received 200ml of rubber factory effluent and T5 received 250ml of rubber factory effluent. Data were collected on the growth performance parameter such s plant height, number of leaves, number of branches, diameter of stem and leaves area. The result of this study showed that there have significant differences on plant height, number of leaves, number of branches, diameter of stem, and leaves area.Result of rubber factory effluent on soil analysis showed that there rich in some chemical properties as plant needed and also had effect on growth performance of rubber seedlings.

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